

In The Abstract

Please replace the Abstract as follows:

A system and method is provided for detecting emitter signals and for determining a scan strategy for a receiver system that receives such emitter signals. When detecting emitter signals of a particular emitter, the receiver may periodically revisit the portion of the frequency spectrum in which that emitter operates. The revisit time that the receiver uses for a particular emitter may dependent on certain characteristics of the emitter. One of these characteristics is the illumination time of the emitter. Some emitters may present more than one illumination time to a detecting receiver. This may occur, for example, if the emitter sweeps azimuth and changes its elevation angle. Thus, a system and method are provided for computing revisit times for emitters with multi-valued illumination times.